



MT250A

### MCB 2P 6kA B-50A 2M

#### Technical Features

##### Electric current

|                       |         |
|-----------------------|---------|
| Rated current         | 50 A    |
| Rated current -15°C   | 62.30 A |
| Rated current -10°C   | 61.10 A |
| Rated current -5°C    | 59.90 A |
| Rated current at 0°C  | 58.70 A |
| Rated current 5°C     | 57.40 A |
| Rated current 10°C    | 56.10 A |
| Rated current 15°C    | 54.70 A |
| Rated current at 20°C | 53.40 A |
| Rated current 25°C    | 52 A    |
| Rated current 30°C    | 50 A    |
| Rated current 35°C    | 48.80 A |
| Rated current at 40°C | 47.70 A |
| Rated current at 45°C | 46.50 A |
| Rated current at 50°C | 45.30 A |
| Rated current 55°C    | 44.10 A |
| Rated current 60°C    | 43 A    |
| Rated current 65°C    | 41.80 A |
| Rated current 70°C    | 40.60 A |

##### Architecture

|              |    |
|--------------|----|
| Type of pole | 2P |
| Curve        | B  |

##### Capacity

|                   |   |
|-------------------|---|
| Number of modules | 2 |
|-------------------|---|

##### Main electrical attributes

|                                                                       |      |
|-----------------------------------------------------------------------|------|
| Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 | 6 kA |
|-----------------------------------------------------------------------|------|

##### Installation, mounting

|                                         |                |
|-----------------------------------------|----------------|
| Nominal tightening torque top terminal  | 2.80 - 2.80 Nm |
| Nominal tightening torque down terminal | 2.80 - 2.80 Nm |

##### Voltage

|                                      |             |
|--------------------------------------|-------------|
| Rated operational voltage Ue         | 400 - 400 V |
| Rated insulation voltage Ui          | 500 V       |
| Rated impulse withstand voltage Uimp | 4000 V      |

##### Frequency

|           |            |
|-----------|------------|
| Frequency | 50 - 60 Hz |
|-----------|------------|

##### Connection

|                                                                        |            |
|------------------------------------------------------------------------|------------|
| Cross-section of input and output with screws, for massive conductors  | 1 - 35 mm² |
| Cross-section of input and output with screws, for flexible conductors | 1 - 25 mm² |
| Cross-section of input with screws, for flexible conductors            | 1 - 25 mm² |
| Cross-section of input with screws, for massive conductors             | 1 - 35 mm² |
| Cross-section flexible conductor                                       | 1 - 25 mm² |
| Cross-section rigid conductor                                          | 1 - 35 mm² |

##### Installation, mounting

|                                               |                |
|-----------------------------------------------|----------------|
| Nominal tightening torque                     | 2.80 - 2.80 Nm |
| Type of bottom connection for modular devices | biconnect      |
| Type of top connection for modular devices    | Screw terminal |
| 360° mounting position possible               | Yes            |

##### Safety

|                               |      |
|-------------------------------|------|
| Ingress Protection (IP) class | IP20 |
|-------------------------------|------|

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**Use conditions**

|                                                          |                  |
|----------------------------------------------------------|------------------|
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2                |
| Class of energy limitation I <sup>2</sup> t              | 3                |
| Air humidity protection                                  | For all climates |
| Operating temperature                                    | -25 - 70 °C      |

**Power**

|                           |        |
|---------------------------|--------|
| Total power loss under IN | 8.40 W |
|---------------------------|--------|

**Connectivity**

|                                               |                  |
|-----------------------------------------------|------------------|
| Top connection alignment for modular devices  | Aligned terminal |
| Down connection alignment for modular devices | Aligned terminal |
| Type of connection                            | Screw terminal   |

**Dimensions**

|        |       |
|--------|-------|
| Height | 83 mm |
| Width  | 35 mm |
| Depth  | 70 mm |

**Sustainability**

|              |     |
|--------------|-----|
| RoHS conform | Yes |
|--------------|-----|